

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CA2005/000027

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 G08C 23/04, G08C 19/36, H04B 10/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 G08C, H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields

Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms
DELPHION, Canadian Patent Database, USPTO, Esp@cenet, IEEE and keywords: underwater, undersea, communication,
light, optical, illumination, beacon, buoy

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant	Relevant to claim No(s).
A	EP 0485070 (Petroleo Brasileiro SA; Pontifícia Universidade Católica) 13 May 1992 (13-05-1992)	1-20
A	EP 0485071 (Petroleo Brasileiro SA; Pontifícia Universidade Católica) 13 May 1992 (13-05-1992)	1-20
A	EP 0221643 (Texas Instruments INC) 13 May 1987 (13-05-1987)	1-20

Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents :
 "A" document defining the general state of the art which is not considered
 to be of particular relevance
 "E" earlier application or patent but published on or after the international
 filing date
 "L" document which may throw doubt on priority claim(s) or which is
 cited to establish the publication date of another citation or other
 special reason (as specified)
 "O" document referring to an oral disclosure, use, exhibition or other
 means
 "P" document published prior to the international filing date but later than
 the priority date claimed

"T" later document published after the international filing date or
 priority date and not in conflict with the application but cited
 to understand the principle or theory underlying the invention
 "X" document of particular relevance; the claimed invention cannot
 be considered novel or cannot be considered to involve an
 inventive step when the document is taken alone
 "Y" document of particular relevance; the claimed invention cannot
 be considered to involve an inventive step when the document
 is combined with one or more other such documents, such
 combination being obvious to a person skilled in the art
 "&" document member of the same patent family

Date of the actual completion of the international search

22 February 2005 (22-02-2005)

Date of mailing of the international search report

29 March 2005 (29-03-2005)

Name and mailing address of the ISA/CA
Canadian Intellectual Property Office
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
EP0485070	13-05-1992	BR9005004 A CA2052850 A1 EP0485070 A2 MX9101436 A1 NO913901 A	09-03-1993 06-04-1992 13-05-1992 01-07-1992 06-04-1992
EP485071		BR9005005 A CA2052837 A1 EP0485071 A2 MX9101435 A1 NO913902D D0	09-03-1993 06-04-1992 13-05-1992 01-06-1992 04-10-1991
EP0221643	13-05-1987	DE3683594D D1 EP0221643 A2 JP62229306 A US4706120 A US4750123 A US4779203 A US4789940 A US4882694 A US4887223 A US4959802 A	05-03-1992 13-05-1987 08-10-1987 10-11-1987 07-06-1988 18-10-1988 06-12-1988 21-11-1989 12-12-1989 25-09-1990